

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1-31. (Canceled)

32. (Currently amended) A septum housing for an infusion device, comprising a tubular element accommodating a septum, the septum providing a fluid-tight seal toward an interior of the septum housing and being pierceable by a needle, and the septum being radially compressed in the septum housing to provide a fluid-tight seal between the septum and the septum housing by inner surfaces of the tubular element.

33. (Previously presented) The septum housing according to claim 32, wherein at least one end of the tubular element provides a substantially partial enclosure over one surface of the septum.

34. (Previously presented) The septum housing according to claim 33, wherein one end of the tubular element is open and leaves the surface of the septum exposed.

35. (Currently amended) The septum housing according to claim 32,
~~further comprising an integrally formed~~ wherein the tubular
element is a cannula bushing.

36. (Previously presented) The septum housing according to claim 32, wherein the septum is fixed to inner surfaces of the septum housing by friction.

37. (Currently amended) An infusion device comprising
a septum housing that includes a tubular element
accommodating a septum, the septum providing a fluid-tight seal
toward an interior of the septum housing and being pierceable by
a needle, and the septum being radially compressed ~~in the septum~~
~~housing to provide a fluid-tight seal between the septum and the~~
~~septum housing by inner surfaces of the tubular element,~~ and
a base element that includes a mounting surface, a distal end of the septum housing that faces away from a surface on which the infusion device is mounted constituting a part of an outer distal surface of the infusion device.

38. (Previously presented) The infusion device according to claim 37, wherein one end of the tubular element provides a substantially partial enclosure over one surface of the septum, the end of the tubular element constituting a distal end of the septum housing.

39. (Previously presented) The infusion device according to claim 37, wherein the septum housing is fixed to the base element by welding.

40. (Previously presented) The infusion device according to claim 39, wherein the welding is ultrasonic welding.

41. (Previously presented) The infusion device according to claim 37, wherein the septum housing is fixed to the base element by a snap-lock.

42. (Withdrawn) A method of manufacturing an infusion device having

a septum housing that includes a tubular element accommodating a septum, the septum being pierceable by a needle and being radially compressed in the septum housing to provide a fluid-tight seal between the septum and the septum housing, and

a base element that includes a mounting surface, a distal end of the septum housing that faces away from a surface on which the infusion device is mounted constituting a part of an outer distal surface of the infusion device, the method comprising the following steps:

providing the septum housing by mounting the septum inside the tubular element,

inserting the septum housing in a recess in the base element such that a fluid transfer volume is formed between the septum housing and a lower wall of the recess, the fluid transfer volume including an inlet for fluid and an outlet communication with a cannula, and

fixing and fluid sealing the septum housing to the base element.